

REMARKS

Applicants appreciate the Examiner's thorough consideration provided the present application. Claims 1 and 2 are now present in the application. Claims 1 and 2 have been amended. Claim 1 is independent. Reconsideration of this application, as amended, is respectfully requested.

Claim Rejections Under 35 U.S.C. §112

Claims 1 and 2 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. This rejection is respectfully traversed.

In view of the foregoing amendments, it is respectfully submitted that this rejection has been addressed. Accordingly, claims 1 and 2 are now definite and clear. Reconsideration and withdrawal of the rejection under 35 U.S.C. § 112, second paragraph, are therefore respectfully requested.

Claim Rejections Under 35 U.S.C. § 102

Claims 1 and 2 stand rejected under 35 U.S.C. § 102(a) as being anticipated by Xu, "DRiVE-ing to the Internet: Dynamic Radio for IP Services in Vehicular Environments." This rejection is respectfully traversed.

In light of the foregoing amendments to the claims, Applicants respectfully submit that this rejection has been obviated and/or rendered moot. As the Examiner will note, independent claim 1 has been amended to recite a combination of elements including "a mobility manager

that has a function of tracing a location of a mobile host to determine an access network effective at a position of the location and function of carrying out local handoffs within a corresponding one of the regional common core networks and handoffs for external networks based on mobile IP; and a resource manager that coordinates traffic distribution and is responsible for resource allocation and admission control to support the traffic distribution in the corresponding one of the regional common core networks; the global common core network supporting mobile hosts roaming within a homogeneous radio communication network and between a plurality of heterogeneous radio communication networks based on a link layer or network layer of OSI model and enables Internet access via a gateway router and access to a plurality of base stations simultaneously by communicating with the resource manager residing in the corresponding one of the regional common core networks via a network selector of interfaces in the basestations; and each regional common core network is connected to the Internet to access the other regional common core networks, wherein a corresponding node is within the Internet, wherein the gateway router, a resource manger and the mobility manger are within each regional common core network, and wherein the network selector, a locator and a local resource manger within the mobile host." Applicants respectfully submit that the above combination of elements as set forth in amended independent claim 1 is not disclosed nor suggested by the reference relied on by the Examiner.

Applicants respectfully submit that the present invention is to provide a network system that integrates and efficiently utilizes various wireless communication systems as a whole by forming a global common core network to provide a common platform for a plurality of radio communication networks. In addition, this network system integrating wireless communication

systems includes a plurality of regional common core networks through Internet. Therefore, a mobile host can access another network (e.g., WAN) that the mobile host does not belong to or another network that is located outside of the coverage of the network the mobile host belongs to. As shown in FIG. 4 of the present invention, the Internet is located between various networks as an intermediate part to achieve the present invention.

Unlike the present invention, in Xu's DRiVE network architecture, it is necessary for a DRiVE Core Network to include all Radio Access Systems that a DRiVE Mobile Terminal desires to access. In addition, one DRiVE Core Network must be in the DRiVE system (see FIG. 2). Therefore, the DRiVE Mobile Terminal cannot access other Radio Access Systems that the DRiVE Mobile Terminal does not belong to (see FIGs. 1 and 2). This significantly limits the access coverage of the DRiVE Mobile Terminal because the DRiVE Mobile Terminal can only access the Radio Access Systems belonging to the same DRiVE Core Network. Therefore, Xu fails to teach "the global common core network *supporting mobile hosts roaming within a homogeneous radio communication network and between a plurality of heterogeneous radio communication networks* based on a link layer or network layer of OSI model and enables Internet access via a gateway router and access to a plurality of base stations simultaneously by communicating with the resource manager residing in the corresponding one of the regional common core networks via a network selector of interfaces in the basestations" as recited in claim 1.

Since Xu fails to teach each and every limitation of amended independent claim 1, Applicants respectfully submit that claim 1 and its dependent claim 2 clearly define over the

teachings of Xu. Accordingly, reconsideration and withdrawal of the rejection under 35 U.S.C. § 102 are respectfully requested.

CONCLUSION

It is believed that a full and complete response has been made to the Office Action, and that as such, the Examiner is respectfully requested to send the application to Issue.

In the event there are any matters remaining in this application, the Examiner is invited to contact Cheng-Kang (Greg) Hsu, Registration No. 61,007 at (703) 205-8000 in the Washington, D.C. area.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

By 

Paul C. Lewis
Registration No.: 43,368
BIRCH, STEWART, KOLASCH & BIRCH, LLP
8110 Gatehouse Road
Suite 100 East
P.O. Box 747
Falls Church, Virginia 22040-0747
(703) 205-8000
Attorney for Applicant
